

Substitute for form 1449A/PTO

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 12

Application Number	
Filing Date	
First Named Inventor	Brad A. Armstrong
Group Art Unit	
Examiner Name	
Attorney Docket Number	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5200597		Eastman	1993	generally all
		5207426		Inoue	1993	" "
		5287089		Parsons	1994	" "
		5311779		Teruo	1994	" "
		5315204		Park	1994	" "
		5364108		Esnouf	1994	" "
		5365494		Lynch	1994	" "
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		5396235		Maeshima	1995	" "
		5440237		Brown	1995	" "
		5457478		Frank	1995	" "
		5640566		Victor	1997	" "
		5670955		Thorne	1997	" "
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		5675329		Barker	1997	" "
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		5778404		Capps	1998	" "
		5790102		Nassima	1998	" "
		5847305		Yoshikawa	1998	" "

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Office ³	Number ⁴	Kind Code ² (if known)				
			DE3031484		Gurndig	1982	generally all	
			DE3543890		Thomson-Brant	1987	" "	
			GB2113920		Alps Electric	1983	" "	
			GF2058462		Shin-Etsu Polymer	1981	" "	
			wo9957630		Schneider	1999	" "	
			5-87760 Japan		Mitsumi Electric	1993	" "	
			JP7002159		Sega Enterprise	1995	" "	
			EP0470615		Nintendo Co.	1992	" "	
			0 470 615 A1		Nintendo Co.	1992	" "	
			DE4013227		Poulsom	1991	" "	

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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Sheet

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Brad A. Armstrong

Group Art Unit

Examiner Name

Attorney Docket Number

U.S. PATENT DOCUMENTS

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		5565891		Armstrong	1996	generally all
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		3611068		Fujita	1971	" "
		3806471		Mithell	1974	" "
		3952173		Tsuji	1976	" "
		3988556		Hyodo	1976	" "
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		4315238		Eventoff	1982	" "
		4552360		Bromley	1985	" "
		4673919		Kataoka	1987	" "
		4786895		Castaneda	1988	" "
		4866542		Shimada	1989	" "
		5164697		Kramer	1992	" "

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		Office ³	Number ⁴	Kind Code ⁵ (# known)				
			wo9532776		Namco	1995	generally all	
			ep1080753		Namco	2001	" "	
			jp6154422		Namco	1994	" "	
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			ep1080753		Namco	2001	" "	
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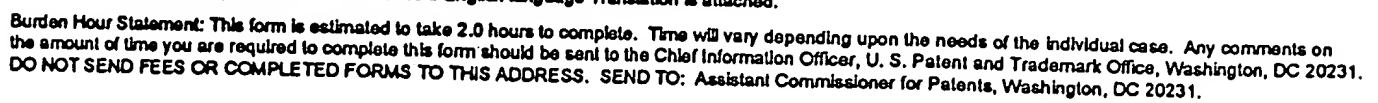
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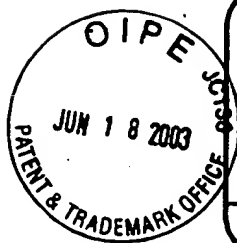
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Brad A. Armstrong

Group Art Unit

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Attorney Docket Number

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code2 (if known)			
		THE BELOW LISTED DISCLOSURES FROM Questel-Orbit QWEB 1-24 pages				(hereto attached)
		5898359		Delco	1999	generally all
		5550339		CTS Corp.	1996	" "
		5847639		Interlink	1998	" "
		5867808		IBM	1999	" "
		5287089		Parsons	1994	" "
		5132658		Semsym INC.	1992	" "
		5196782		Luntron	1991	" "
		4975676		Spectra	1990	" "
		4694231		Alvite	1987	" "
		4615252		Asahi	1986	" "
		4301337		Eventoff	1981	" "
		4314228		Eventoff	1982	" "
		4315238		Eventoff	1982	" "
		4268815		Eventoff	1981	" "
W		4276538		Eventoff	1981	" "

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Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (# known)				
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			GB2308448		Samsung	1997	" "	
			RU2010369		Smyslov	1994	" "	
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Questel-Orbit data continued on next sheet

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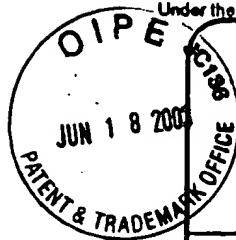
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Questel-Orbit continuation

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		Office ³	Number ⁴ (If known)				
			GB2233499	Mitsubishi	1991	generally all	
			DE4019211	Lutron	1991	" "	
			jp 02158105	Yokohama	1990	" "	
			DE3634912	Link	1988	" "	
			jp62160623	Yamatake	1987	" "	
			jp60175401	Asahi	1985	" "	

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Application Number

Filing Date

First Named Inventor

Brad A. Armstrong

Group Art Unit

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U.S. PATENT DOCUMENTS

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Complete if Known**Application Number****Filing Date****First Named Inventor**

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Attorney Docket Number

Brad A. Armstrong

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17

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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Sheet	8	of	12
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Application Number

Filing Date

First Named Inventor

Brad A. Armstrong

Group Art Unit

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Brad A. Armstrong
		Art Unit	
		Examiner Name	
Sheet	9 of 12	Attorney Docket Number	

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		us- 5510812	1996	O'Mara	generally all
		us- 4469330	1984	Asher	generally all
		us- 4246452	1981	Chandler	generally all
		us- 5565891	1996	Armstrong	generally all
		us- D355901	1995	Bradley	generally all
		us- 4555960	1985	King	generally all
		us- 4924216	1990	Leung	generally all
		us- 4933670	1990	Wislocki	generally all
		us- 5063146	1991	Garrett	generally all
		us- 5128671	1992	Thomas, Jr.	generally all
		us- 5237311	1993	Wislocki	generally all
		us- 5293158	1994	Soma	generally all
		us- 5298919	1994	Chang	generally all
		us- 5329276	1994	Hirabayashi	generally all
		us- 2430284	1947	Evers	generally all
		us- 3693425	1972	Starita et al	generally all
		us- 3921445	1975	Hill et al	generally all
		us- 4099409	1978	Edmond	generally all
		us- 4216467	1980	Colston	generally all
		us- 4297542	1981	Shumway	generally all

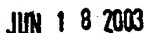
FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		5-87760 (Japan)	1993	Mitsumi Elec.	generally all	
		7-302159 (Japan)	1995	Sega Enter.	generally all	
		0 470 615 A1 (EP)	1992	Nintendo	generally all	
		0205726 (EP)	1986	Hal Lab INC	generally all	
		739505 (SU)	1977	Baranov	generally all	
		2205941 (GB)	1988	Garrett	generally all	
		2240614 (GB)	1991	Dzholdasbekov	generally all	

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		Number - Kind Code 2 (If known)			
		us4348142	1982	Pigour	generally all
		us4369663	1983	Venturullo et al	generally all
		us4414537	1983	Grimes	" "
		us4536746	1985	Gobeli	" "
		us4555960	1985	King	" "
		us4670743	1987	Zemke	" "
		us4684089	1987	van der Lely	" "
		us4811608	1989	Hilton	" "
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		us5142931	1992	Menahem	" "
		us5168221	1992	Houston	" "
		us5189355	1993	Larkins et al	" "
		us5252952	1993	Frank et al	" "
		us5329276	1994	Hirabayashi	" "
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

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Not all are prior art to the present invention

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		Number	Kind Code ² (if known)				
		4766271		MITSUHASHI ET AL	1988	generally all	
		4604509		CLANCY ET AL	1986	"	"
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FOREIGN PATENT DOCUMENTS

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Sheet	12	of	12
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Complete If Known

Application Number

Filing Date

First Named Inventor

Brad A. Armstrong

Group Art Unit

Examiner Name

Attorney Docket Number

Not all are prior art to the present invention

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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